

JAVA.IO.PUSHBACKINPUTSTREAM CLASS

http://www.tutorialspoint.com/java/io/java_io_pushbackinputstream.htm

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Introduction

The **java.util.PushbackInputStream** class adds functionality to another input stream, namely the ability to "push back" or "unread" one byte.

Class declaration

Following is the declaration for **java.util.PushbackInputStream** class:

```
public class PushbackInputStream
    extends FilterInputStream
```

Field

Following are the fields for **java.util.PushbackInputStream** class:

- **protected byte[] buf** -- This is the pushback buffer.
- **protected int pos** -- This is the position within the pushback buffer from which the next byte will be read.
- **protected InputStream in** -- This is the input stream to be filtered.

Class constructors

S.N.	Constructor & Description
1	PushbackInputStream(InputStream in) This creates a PushbackInputStream and saves its argument, the input stream in, for later use.
2	PushbackInputStream(InputStream in, int size) This creates a PushbackInputStream with a pushback buffer of the specified size, and saves its argument, the input stream in, for later use.

Class methods

S.N.	Method & Description
1	<u>int available()</u> This method returns an estimate of the number of bytes that can be read (or skipped over) from this input stream without blocking by the next invocation of a method for this input stream.
2	<u>void close()</u> This method closes this input stream and releases any system resources associated with the stream.
3	<u>void mark(int readlimit)</u> This method marks the current position in this input stream.

4	<u>boolean markSupported()</u> This method tests if this input stream supports the mark and reset methods, which it does not.
5	<u>int read()</u> This method reads the next byte of data from this input stream.
6	<u>int read(byte[] b, int off, int len)</u> This method reads up to len bytes of data from this input stream into an array of bytes.
7	<u>void reset()</u> This method repositions this stream to the position at the time the mark method was last called on this input stream.
8	<u>long skip(long n)</u> This method skips over and discards n bytes of data from this input stream.
9	<u>void unread(byte[] b)</u> This method pushes back an array of bytes by copying it to the front of the pushback buffer.
10	<u>void unread(byte[] b, int off, int len)</u> This method pushes back a portion of an array of bytes by copying it to the front of the pushback buffer.
11	<u>void unread(int b)</u> This method pushes back a byte by copying it to the front of the pushback buffer.

Methods inherited

This class inherits methods from the following classes:

- `java.util.FilterInputStream`
- `java.util.Object`